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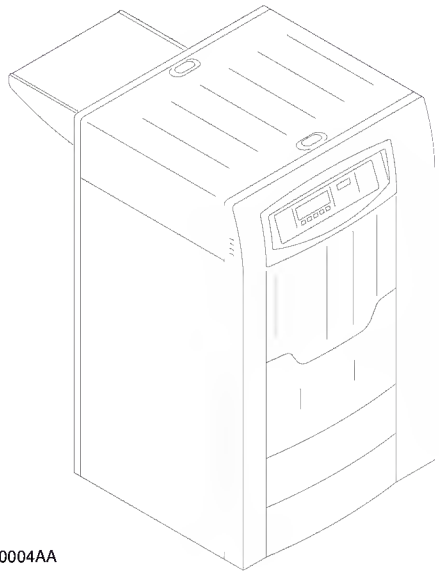
01OCT95

DIAGRAMS
for the
Kodak X-Omat 5000 RA PROCESSOR
Service Code: 3425

Important
Qualified service personnel must repair this equipment.



H148_0004AA

HEALTH IMAGING

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This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.

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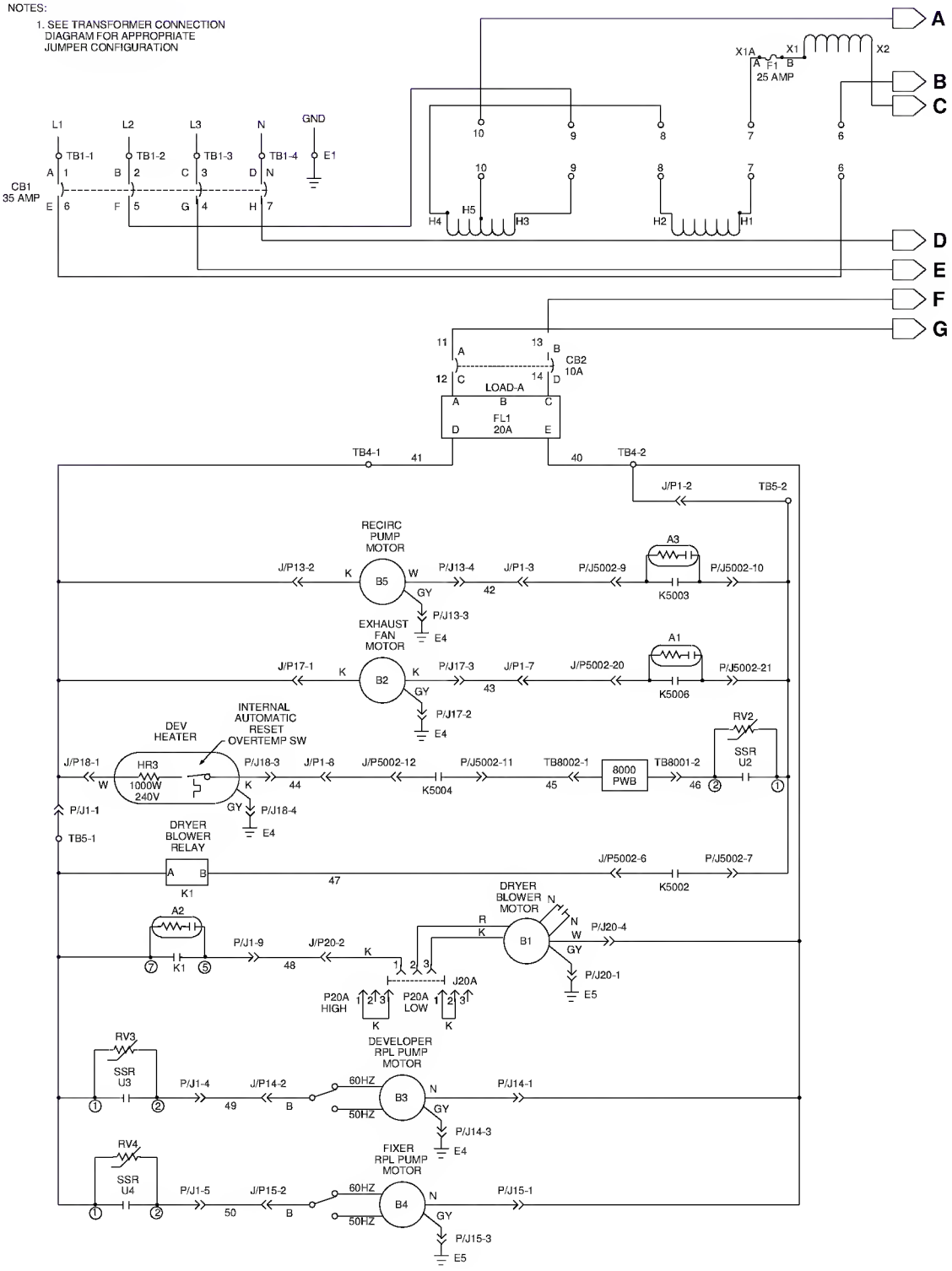
Section 1: Circuit Diagrams

AC Circuit



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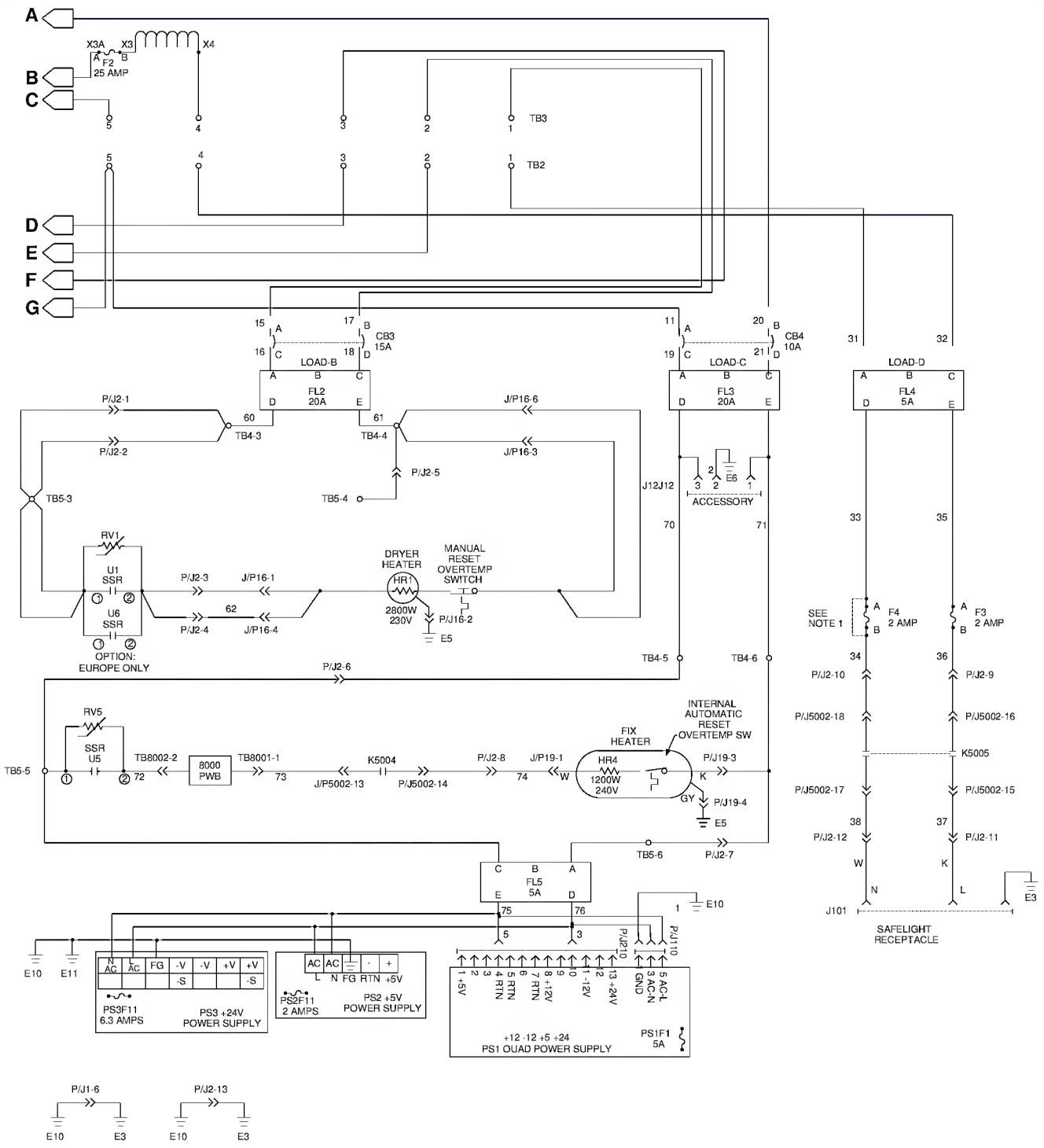
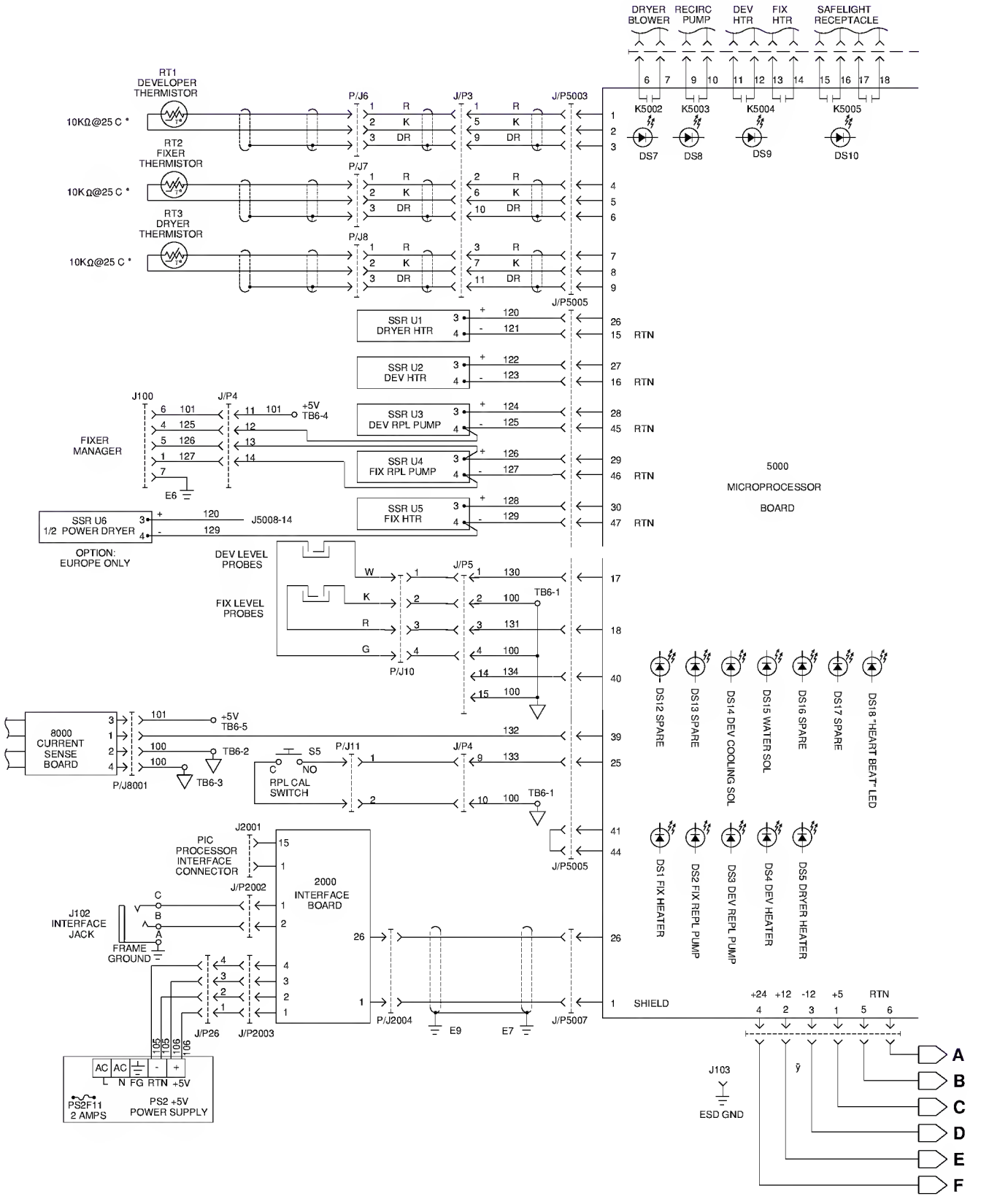

A
B
C
D
E
F
G
X3A
X3
X4
F2
25 AMP
TB3
TB2
CB3
15A
CB4
10A
LOAD-B
FL2
20A
LOAD-C
FL3
20A
LOAD-D
FL4
5A
P/J2-1
P/J2-2
TB4-3
TB4-4
J/P16-6
J/P16-3
P/J2-5
TB5-3
TB5-4
J12J12
ACCESSORY
RV1
U1
SSR
U6
SSR
OPTION:
EUROPE ONLY
P/J2-3
J/P16-1
P/J2-4
J/P16-4
62
DRYER
HEATER
HR1
2800W
230V
MANUAL
RESET
OVERTEMP
SWITCH
P/J16-2
E5
TB4-5
TB4-6
P/J2-6
RV5
SSR
U5
TB8002-2
8000
PWB
TB8001-1
K5004
J/P5002-13
P/J5002-14
P/J2-8
J/P19-1
FIX
HEATER
HR4
1200W
240V
INTERNAL
AUTOMATIC
RESET
OVERTEMP SW
P/J19-3
P/J19-4
TB5-6
P/J2-7
FL5
5A
E10
E11
PS3F11
6.3 AMPS
PS3 +24V
POWER SUPPLY
PS2F11
2 AMPS
PS2 +5V
POWER SUPPLY
PS1F1
5A
+12 -12 +5 +24
PS1 QUAD POWER SUPPLY
P/J110
P/J210
P/J1-6
P/J2-13
SEE
NOTE 1
F4
2 AMP
F3
2 AMP
P/J2-10
P/J2-9
P/J5002-18
P/J5002-16
K5005
P/J5002-17
P/J5002-15
P/J2-12
P/J2-11
J101
SAFELIGHT
RECEPTACLE

H148_0032EC_

DC Circuit



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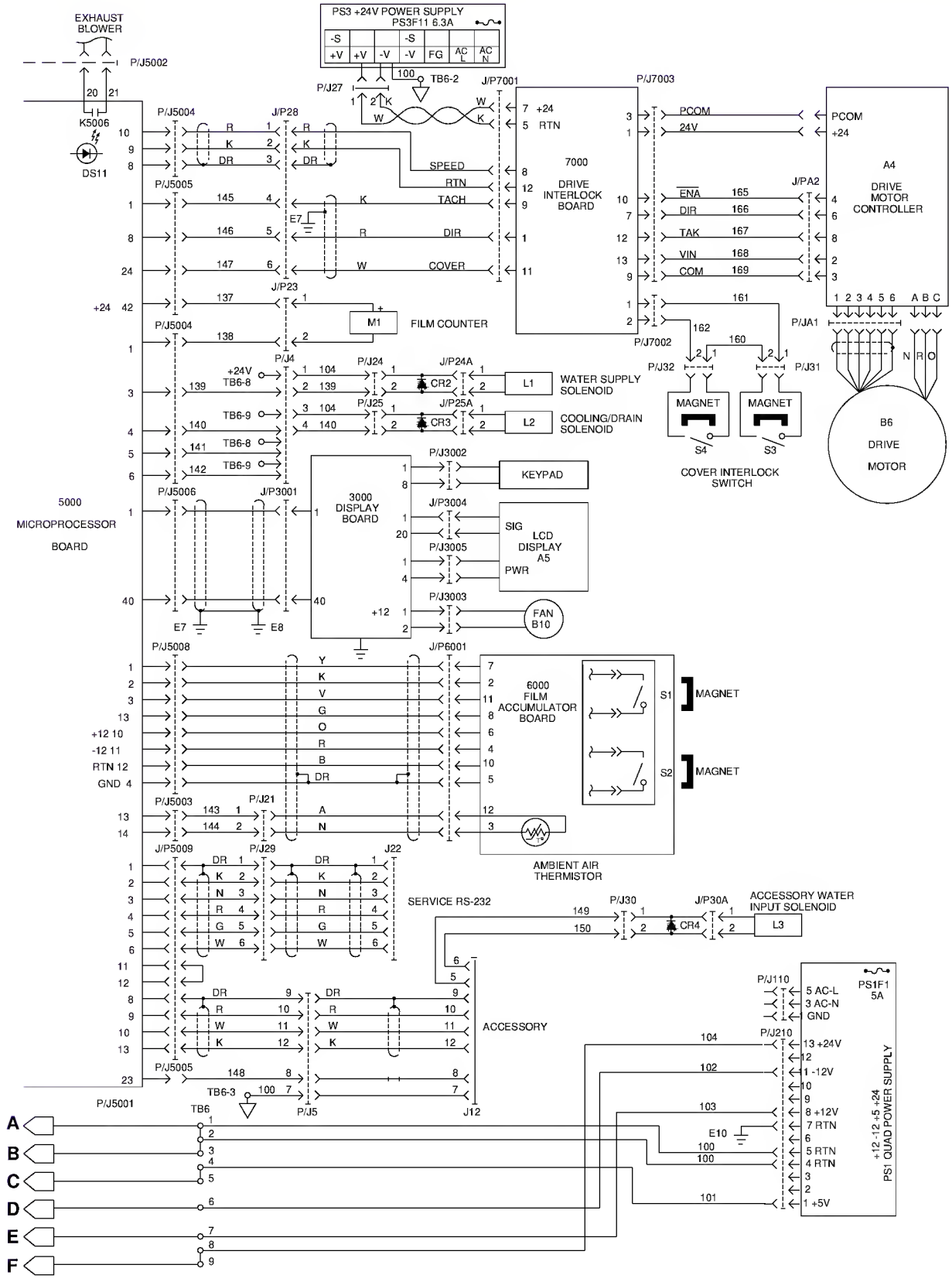
EXHAUST BLOWER
P/J5002
20
21
K5006
DS11
PS3 +24V POWER SUPPLY
PS3F11 6.3A
-S
+V
+V
-V
-S
FG
AC L
AC N
100
TB6-2
P/J27
J/P7001
P/J7003
7000 DRIVE INTERLOCK BOARD
7 +24
5 RTN
SPEED
RTN
TACH
DIR
COVER
PCOM
24V
ENA 165
DIR 166
TAK 167
VIN 168
COM 169
161
162
160
A4 DRIVE MOTOR CONTROLLER
J/PA2
P/JA1
1 2 3 4 5 6
A B C
N R O
B6 DRIVE MOTOR
P/J5004
J/P28
P/J5005
P/J23
M1
FILM COUNTER
P/J7002
P/J32
P/J31
MAGNET
MAGNET
S4
S3
COVER INTERLOCK SWITCH
P/J4
P/J24
J/P24A
CR2
L1
WATER SUPPLY SOLENOID
P/J25
J/P25A
CR3
L2
COOLING/DRAIN SOLENOID
+24V
TB6-8
TB6-9
TB6-8
TB6-9
P/J5006
J/P3001
5000 MICROPROCESSOR BOARD
3000 DISPLAY BOARD
P/J3002
KEYPAD
J/P3004
SIG
LCD DISPLAY A5
PWR
P/J3005
P/J3003
+12
FAN B10
E7
E8
P/J5008
J/P6001
6000 FILM ACCUMULATOR BOARD
S1
S2
MAGNET
MAGNET
+12 10
-12 11
RTN 12
GND 4
P/J5003
P/J21
AMBIENT AIR THERMISTOR
J/P5009
P/J29
J22
SERVICE RS-232
P/J30
J/P30A
CR4
L3
ACCESSORY WATER INPUT SOLENOID
ACCESSORY
P/J5005
TB6-3
P/J5
J12
P/J5001
TB6
A
B
C
D
E
F
P/J110
PS1F1 5A
5 AC-L
3 AC-N
GND
P/J210
13 +24V
12
1 -12V
10
9
8 +12V
7 RTN
6
5 RTN
4 RTN
3
2
1 +5V
PS1 QUAD POWER SUPPLY
+12 -12 +5 +24
E10

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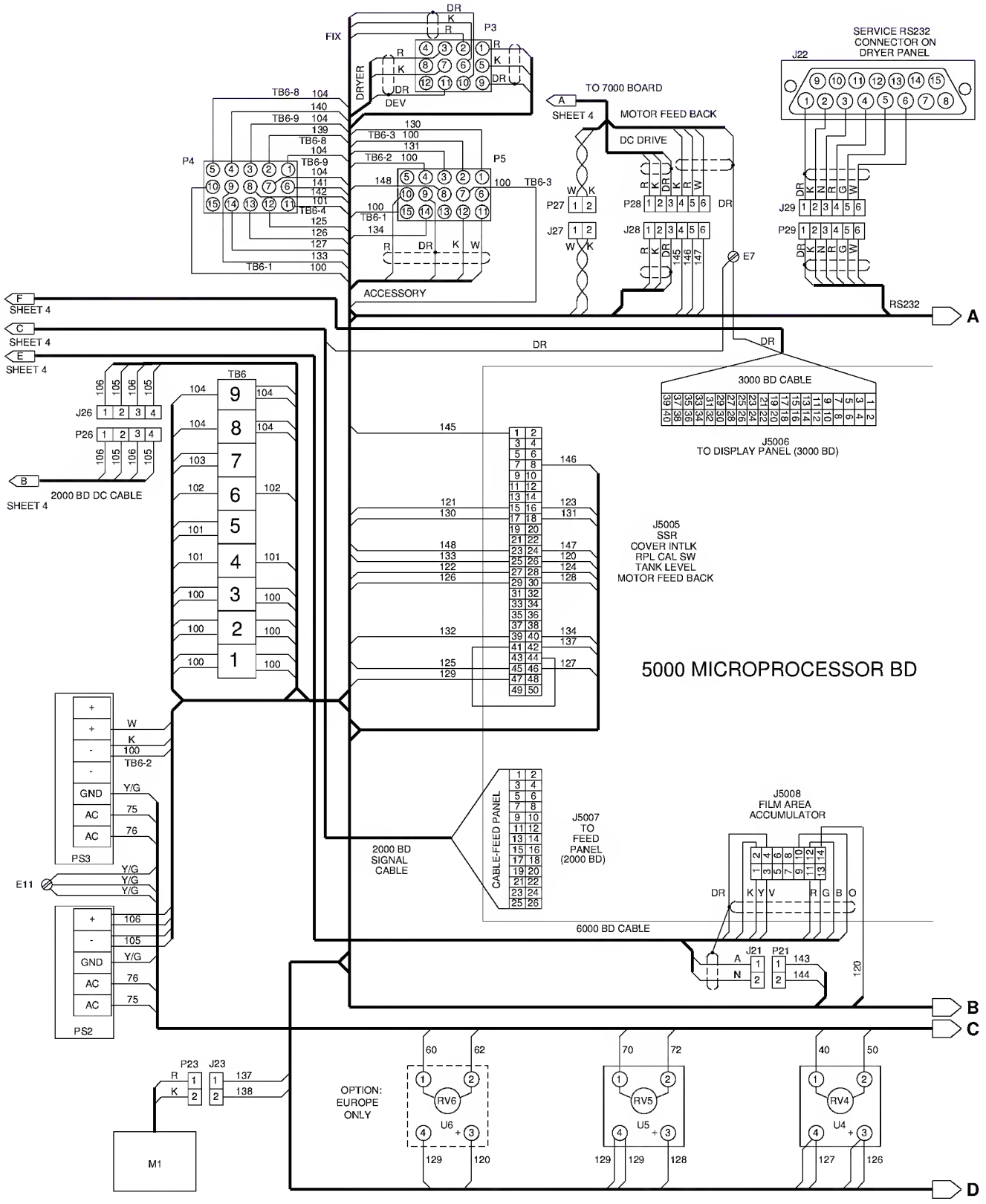
Section 2: Wiring Diagrams

Electrical



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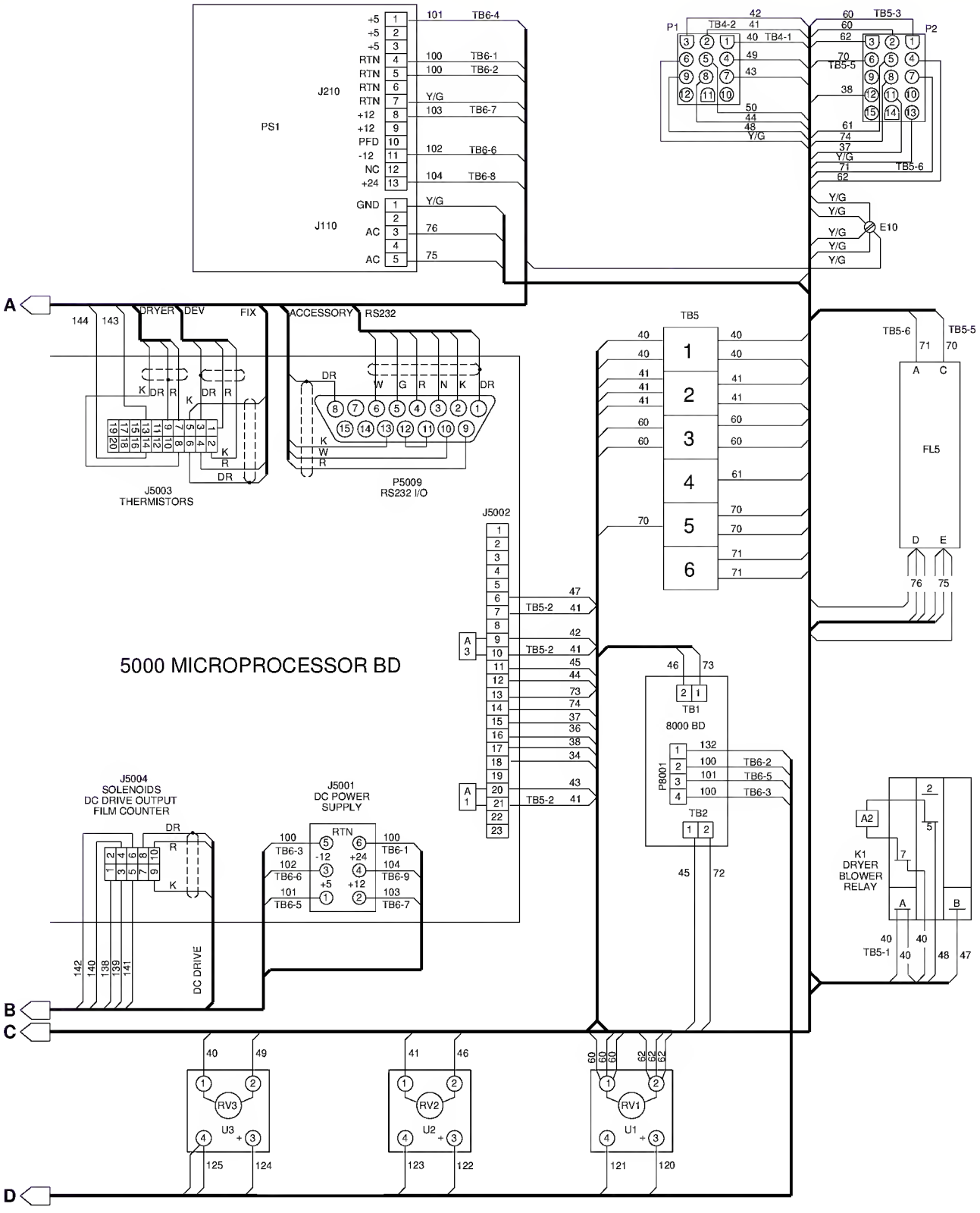
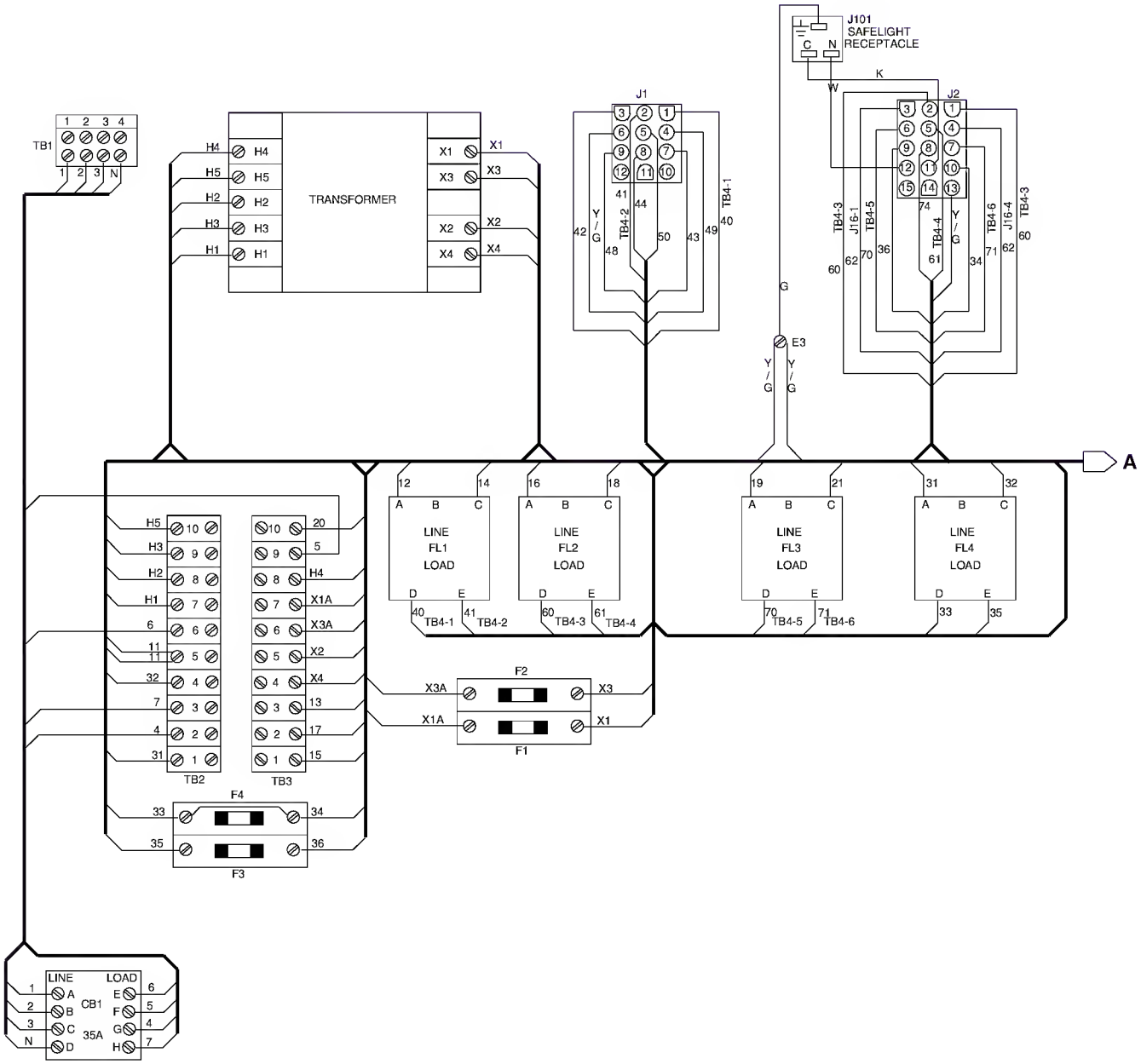

PS1
J210
J110
+5
+5
+5
RTN
RTN
RTN
RTN
+12
+12
PFD
-12
NC
+24
GND
AC
AC
101 TB6-4
100 TB6-1
100 TB6-2
Y/G
103 TB6-7
102 TB6-6
104 TB6-8
Y/G
76
75
P1
P2
TB4-2
TB4-1
TB5-3
TB5-5
TB5-6
E10
A
B
C
D
DRYER
DEV
FIX
ACCESSORY
RS232
J5003
THERMISTORS
P5009
RS232 I/O
J5002
5000 MICROPROCESSOR BD
TB5
FL5
J5004
SOLENOIDS
DC DRIVE OUTPUT
FILM COUNTER
J5001
DC POWER
SUPPLY
DC DRIVE
TB1
8000 BD
P8001
TB2
K1
DRYER
BLOWER
RELAY
RV3
RV2
RV1
U3
U2
U1
TB5-1

H148_0042EC_

COMPONENT PLATE



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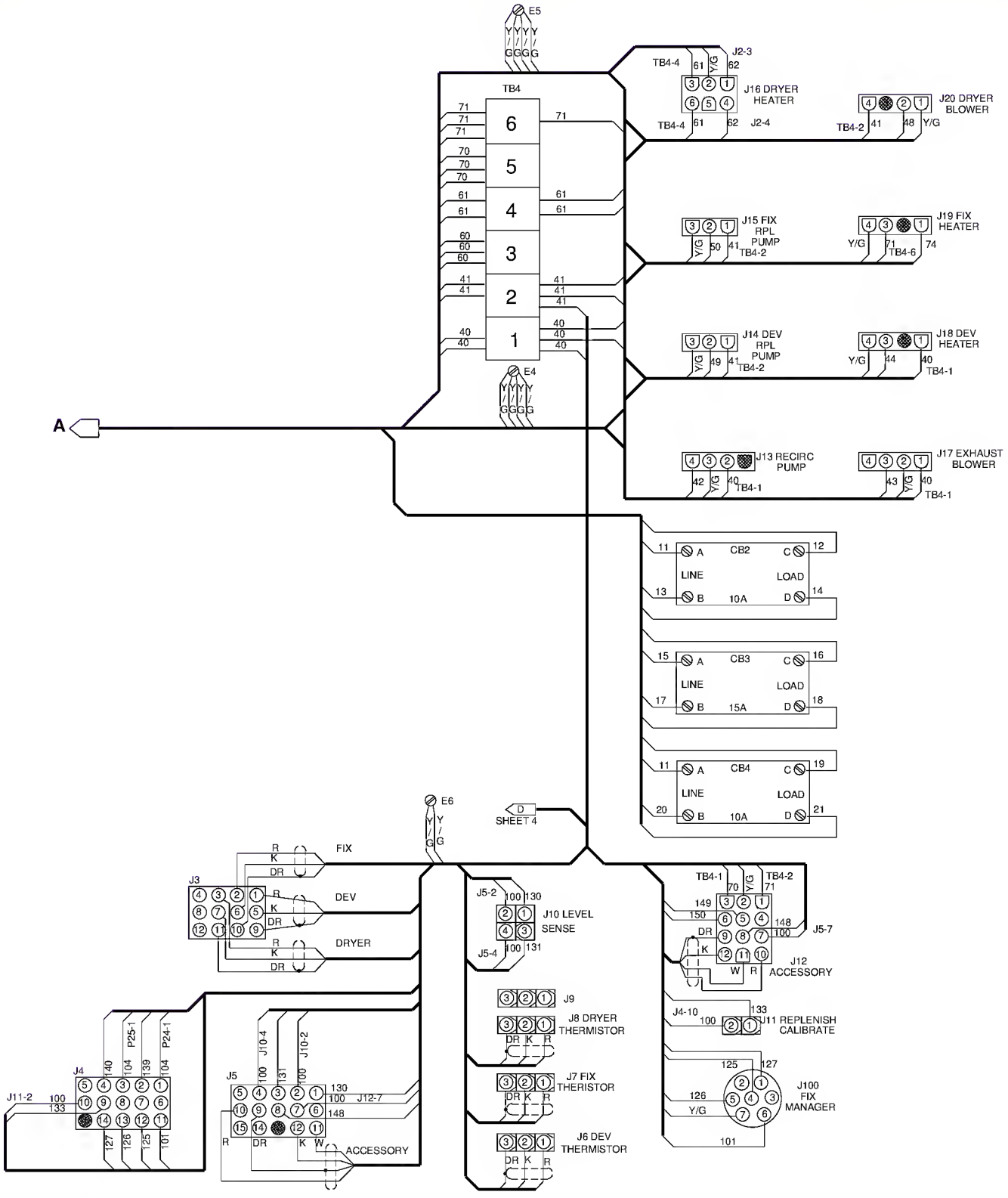
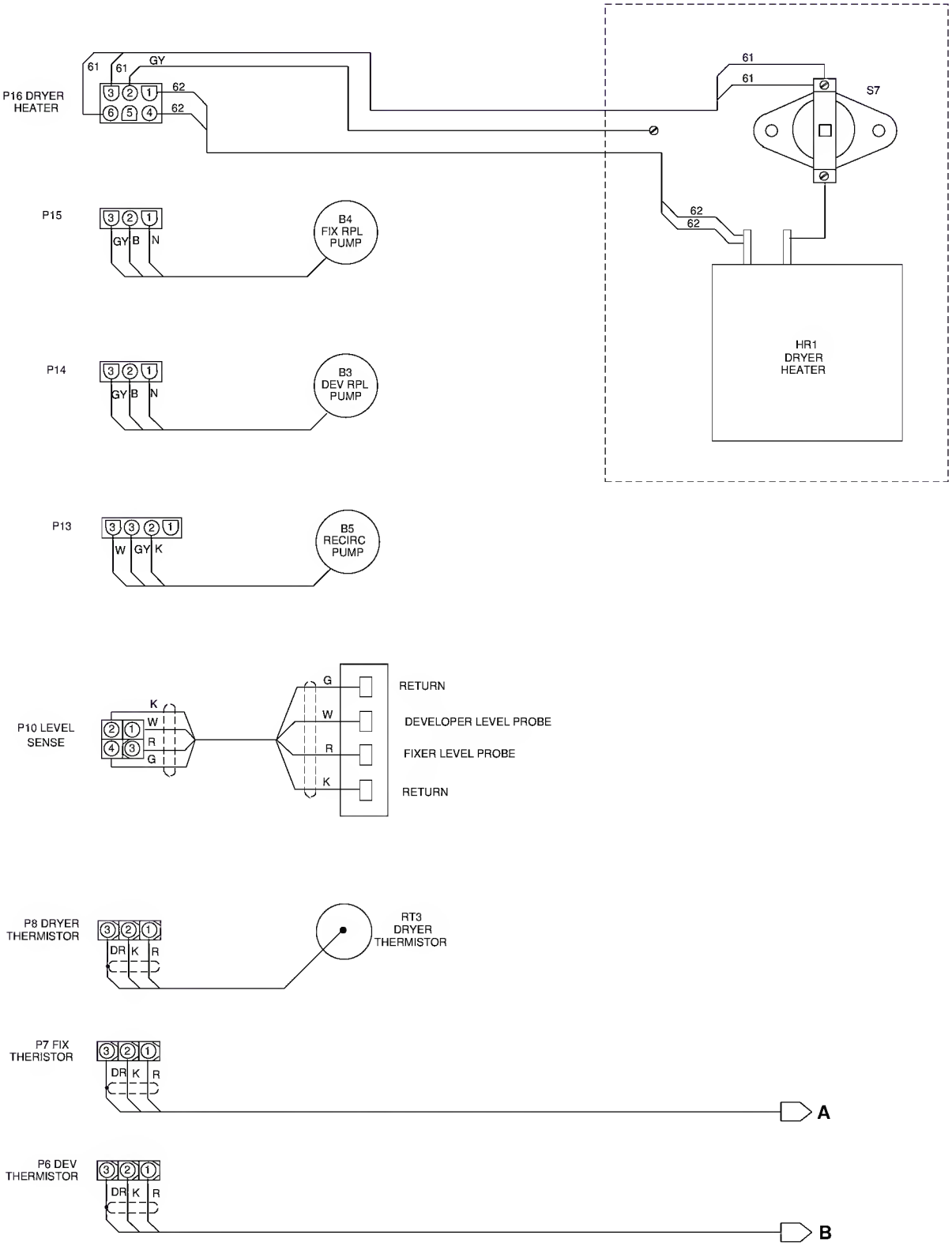

E5
YYYY
GGGG
TB4
6
5
4
3
2
1
J2-3
TB4-4
61
Y/G
62
J16 DRYER HEATER
J20 DRYER BLOWER
TB4-2
41
48
J15 FIX RPL PUMP
J19 FIX HEATER
TB4-6
74
J14 DEV RPL PUMP
J18 DEV HEATER
44
TB4-1
J13 RECIRC PUMP
J17 EXHAUST BLOWER
43
E4
A
CB2
CB3
CB4
LINE
LOAD
10A
15A
E6
D
SHEET 4
FIX
DEV
DRYER
J3
J4
J5
J11-2
J12-7
ACCESSORY
J5-2
J5-4
J10 LEVEL SENSE
J9
J8 DRYER THERMISTOR
J7 FIX THERISTOR
J6 DEV THERMISTOR
J5-7
J12 ACCESSORY
J4-10
J11 REPLENISH CALIBRATE
J100 FIX MANAGER

H148_0040EC_

External Components A



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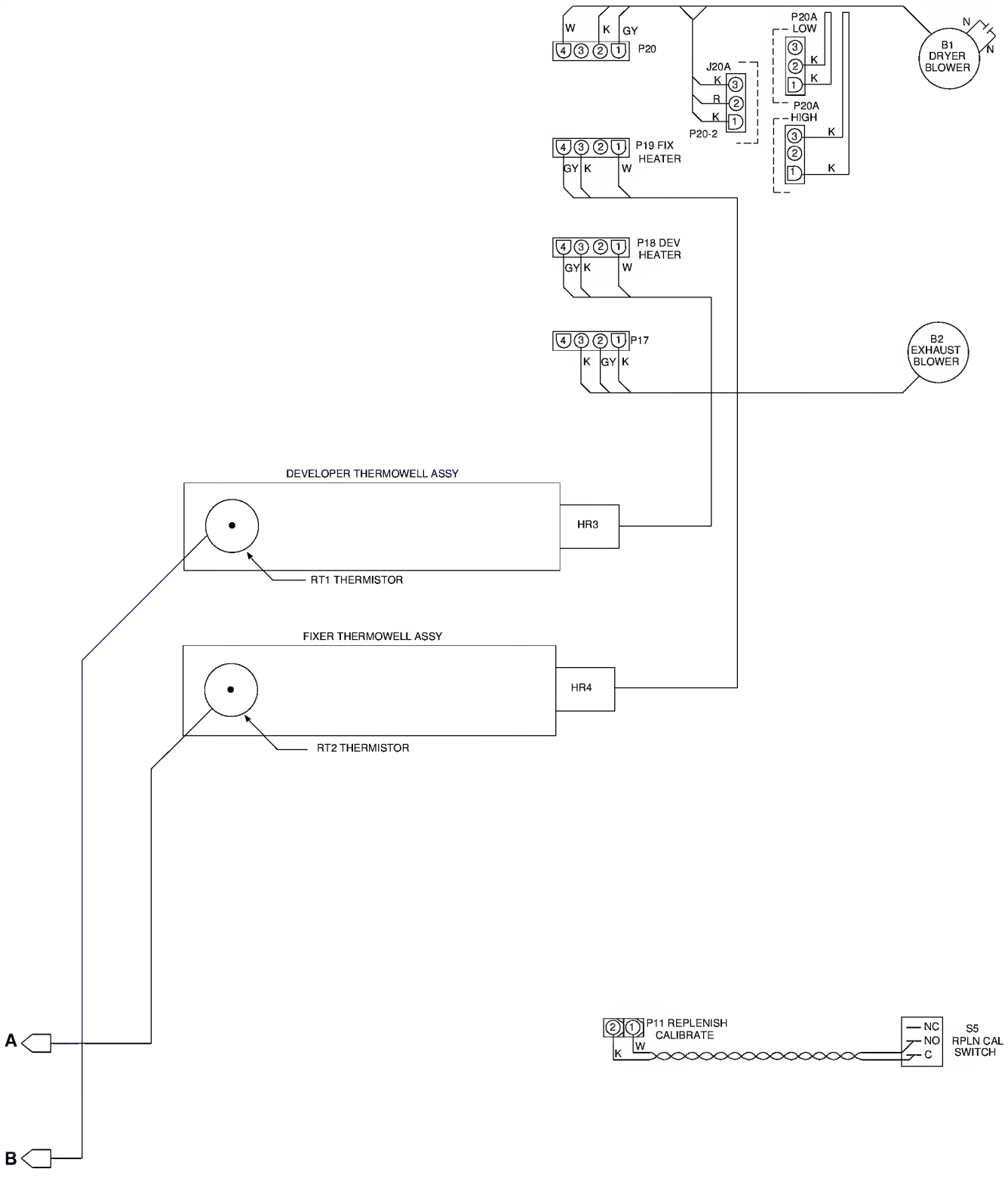
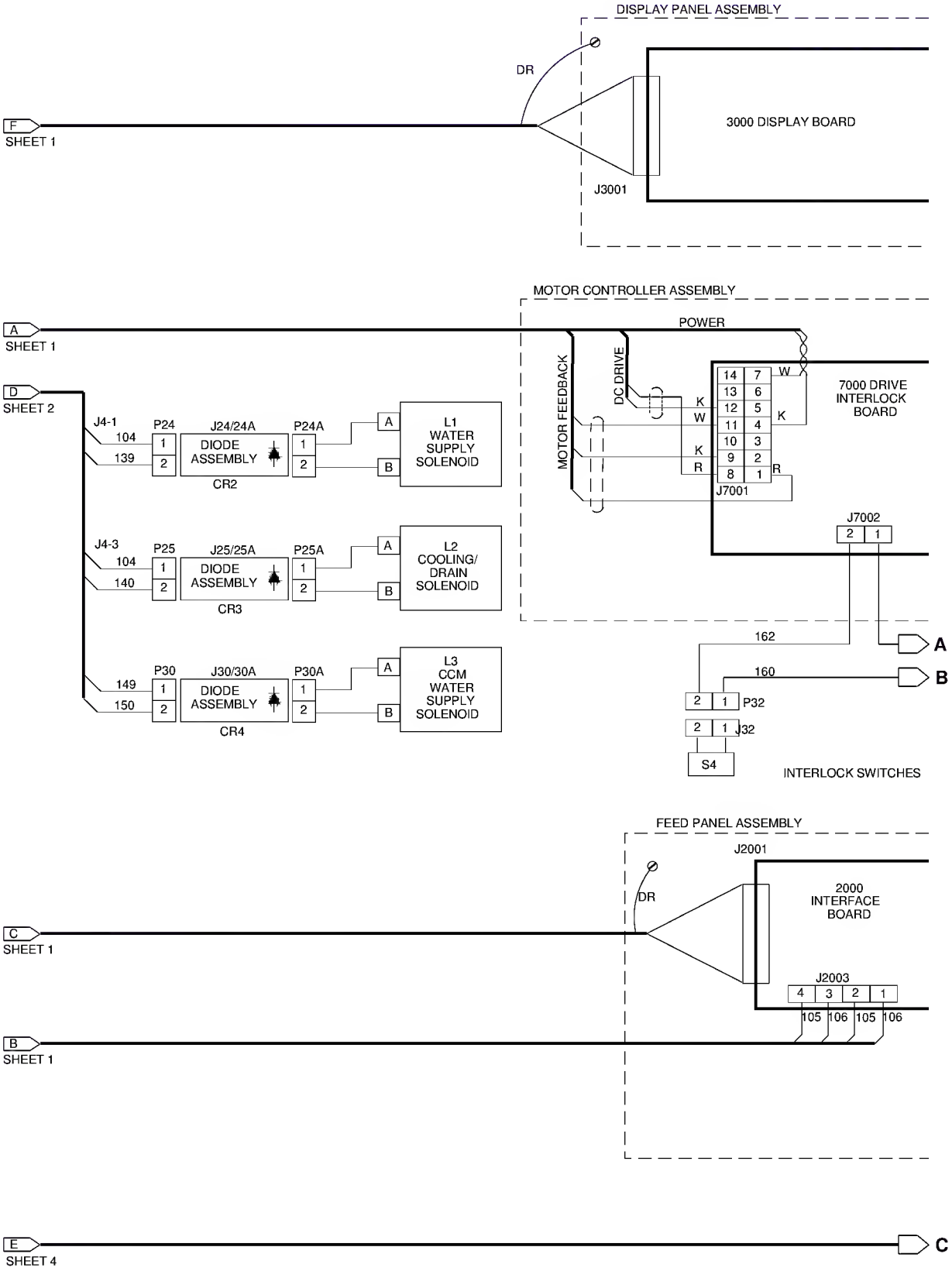

W
K
GY
P20
J20A
K
R
K
P20-2
P20A
LOW
K
K
P20A
HIGH
K
K
N
B1
DRYER
BLOWER
N
P19 FIX
HEATER
GY K W
P18 DEV
HEATER
GY K W
P17
K GY K
B2
EXHAUST
BLOWER
DEVELOPER THERMOWELL ASSY
HR3
RT1 THERMISTOR
FIXER THERMOWELL ASSY
HR4
RT2 THERMISTOR
A
B
P11 REPLENISH
CALIBRATE
K
W
NC
NO
C
S5
RPLN CAL
SWITCH

H148_0036EC_

External Components B



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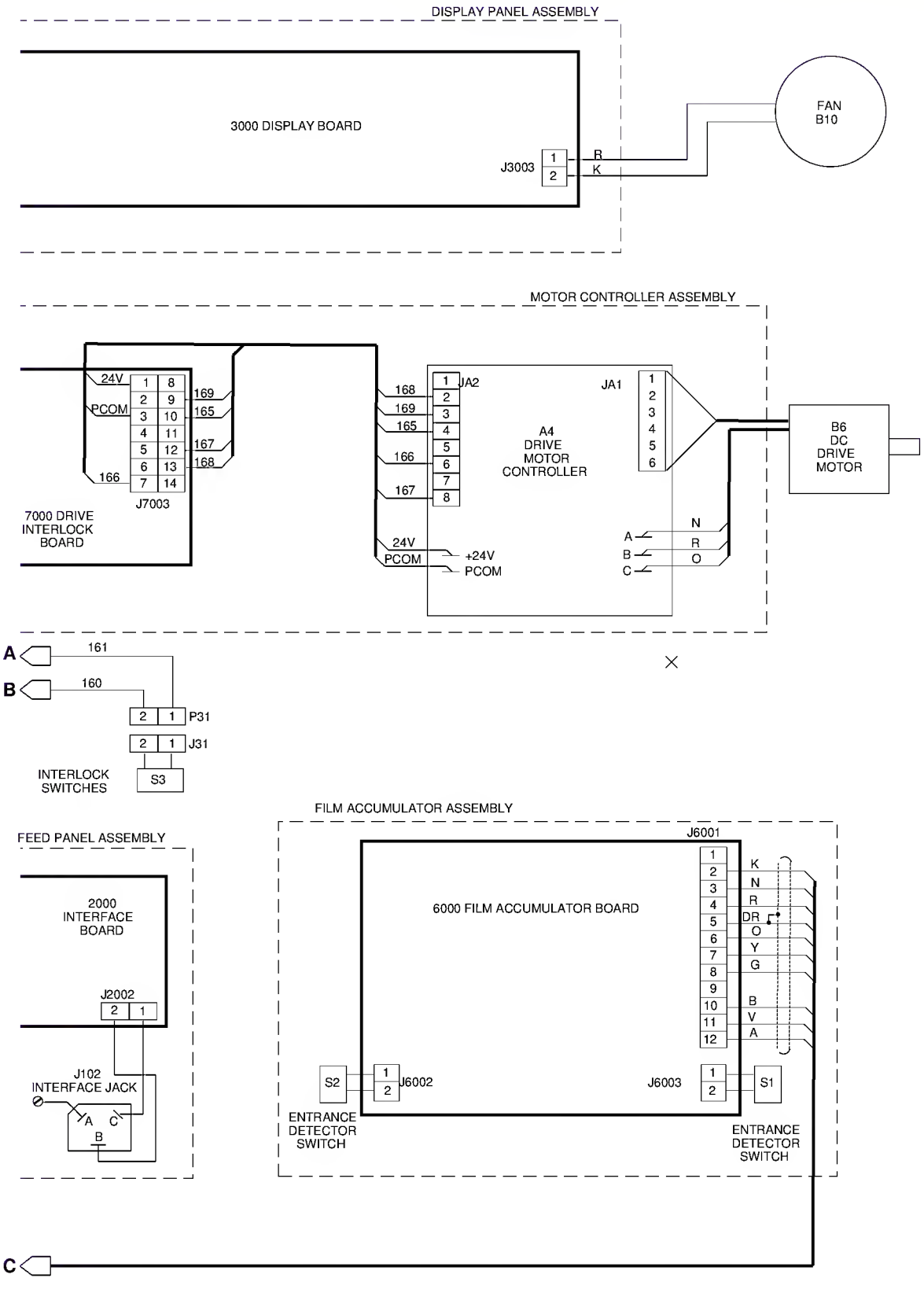
DISPLAY PANEL ASSEMBLY
3000 DISPLAY BOARD
J3003
1
2
R
K
FAN
B10
MOTOR CONTROLLER ASSEMBLY
24V
PCOM
166
169
165
167
168
J7003
7000 DRIVE
INTERLOCK
BOARD
168
169
165
166
167
24V
PCOM
JA2
+24V
PCOM
A4
DRIVE
MOTOR
CONTROLLER
JA1
A
B
C
N
R
O
B6
DC
DRIVE
MOTOR
A
B
161
160
P31
J31
INTERLOCK
SWITCHES
S3
FEED PANEL ASSEMBLY
2000
INTERFACE
BOARD
J2002
J102
INTERFACE JACK
A
C
B
FILM ACCUMULATOR ASSEMBLY
J6001
6000 FILM ACCUMULATOR BOARD
K
N
R
DR
O
Y
G
B
V
A
S2
J6002
ENTRANCE
DETECTOR
SWITCH
J6003
S1
ENTRANCE
DETECTOR
SWITCH
C

H148_0038EC_

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01OCT95	5B6344	2649-029	All	di3425_1_029.doc	New Publication
10MAY02	5B6344	---	All	5b6344.fm	Revised to include information for the FLICKER UPGRADE KIT, 50 Hz equipment only.

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